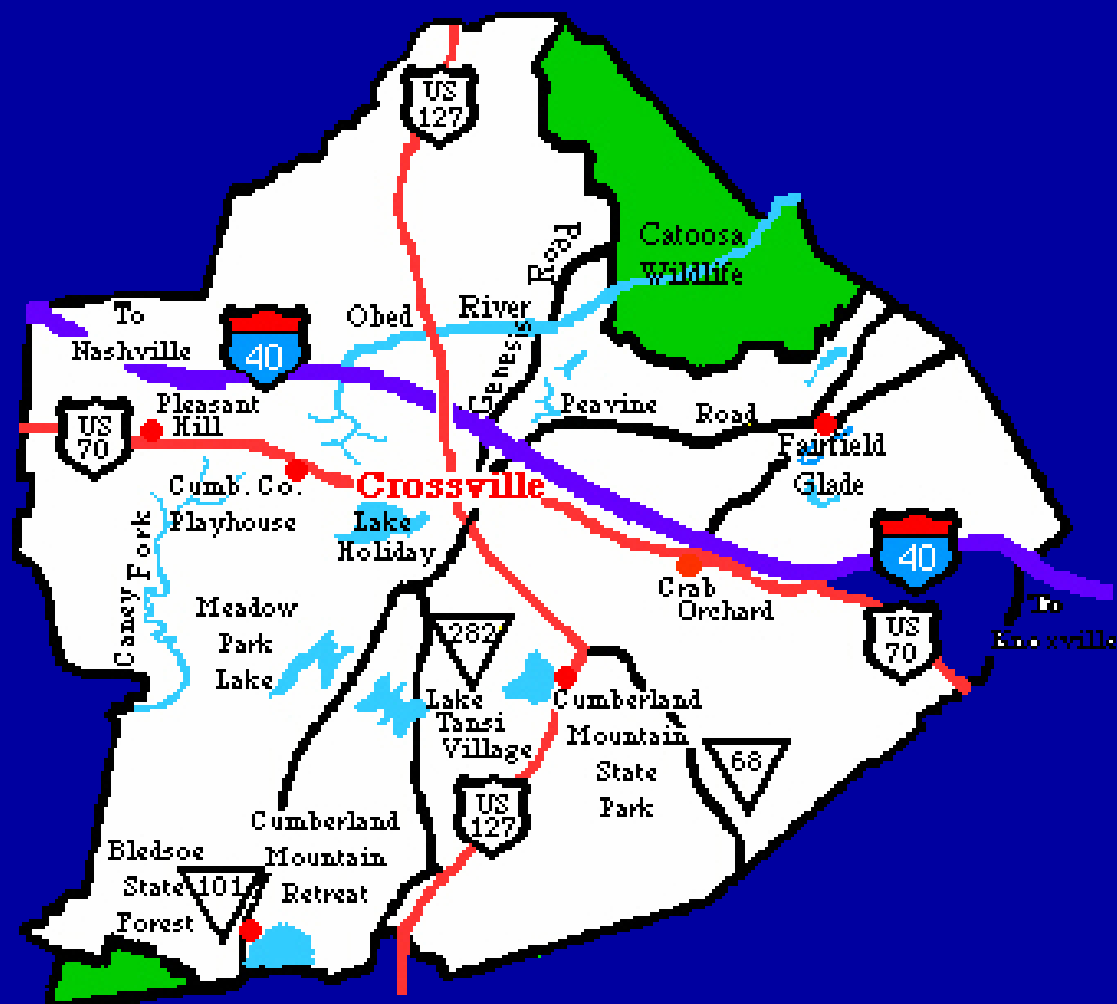
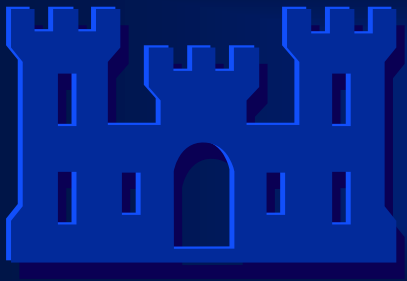


Cumberland County Regional Water Supply Study

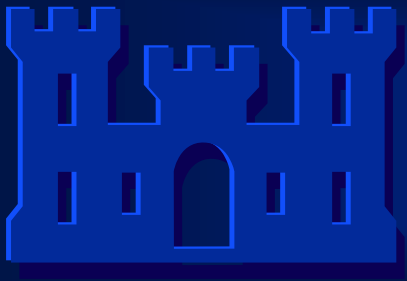




Agenda

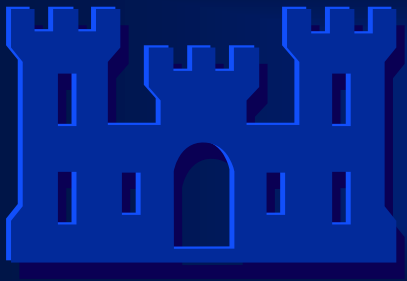
- Project history
- Purpose of Study
- Project status and future activities
- NEPA / EIS Process

PURPOSE OF THIS MEETING:
solicit public and agency input to
consider in Environmental Impact
Statement



Background

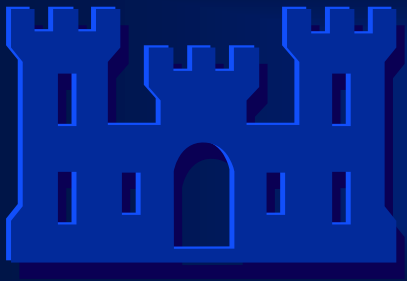
**Section 219 of Water Resources
Development Act (WRDA) of 1992:
Corps perform water-related
infrastructure projects,
and authorized \$5M for Corps to plan
and construct water supply projects in
Cumberland Co.**



Background

**In 1998, Corps / TDEC completed
Planning Assistance to States
study:**

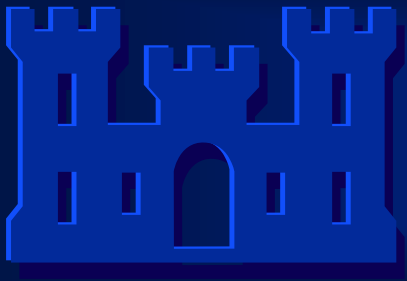
**identified potential water sources;
results in Preliminary
Engineering Report (PER)**



Background - 1998 Report

Potential Water Sources from PER –

- 1. Water Conservation**
- 2. Groundwater - 5 well sites in Fentress,
Overton Counties**
- 3. Pipeline to existing large reservoirs -
Watts Bar Lake
Center Hill Lake
Great Falls Lake**



Background – 1998 Report

4. New Storage Impoundments -

Caney Fork

Meadow Park Lake (below existing dam)

Meadow Creek (above Monterey Lake)

Meadow Creek (below Monterey Lake)

Clear Creek



Background – 1998 Report

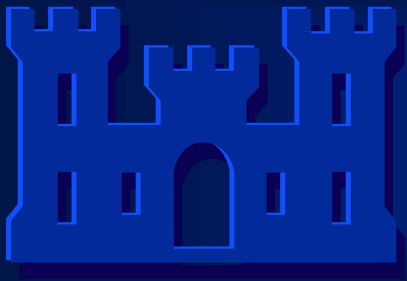
5. Improve Existing Storage Impoundments -

Meadow Park Lake

Mayland Lake

Camp Ozone Lake

Tranquilechee Lake



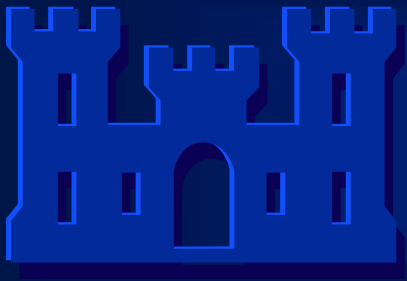
Background – 1998 Report

6. Water Harvesting -

**Stream to constructed off-site
impoundment**

**From Caney Fork to raised
Meadow Park Lake**

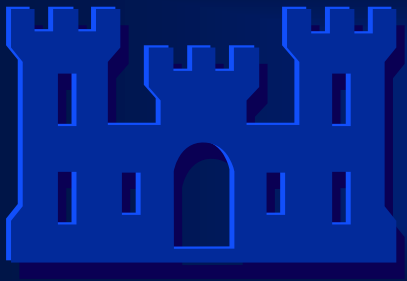
7. No Action



Background

**Nov 2005 – Corps and City of Crossville
signed agreement for Environmental
Impact Statement (EIS) and engineering
analysis to estimate future water
demand, evaluate water supply
alternatives and recommend an
alternative**

Estimated \$1.24M - 75% Corps, 25% City

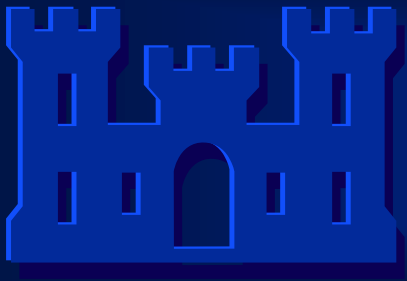


Problem and Study Goal

The Problem –

**Strong growth (2.6% 15 years, twice TN);
growth expected to continue (rate?);
Utility Districts likely to need new
source(s) of water**

**Study Goal – Estimate future need and
determine how to get a safe, reliable
water supply for region (county) for
next 50 years**

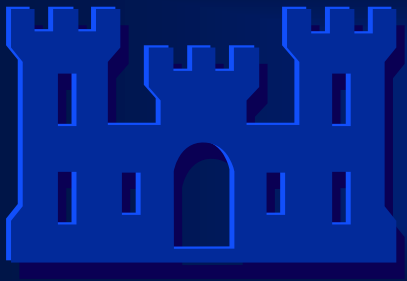


Progress to date

1. Set up Design Coordination Team –

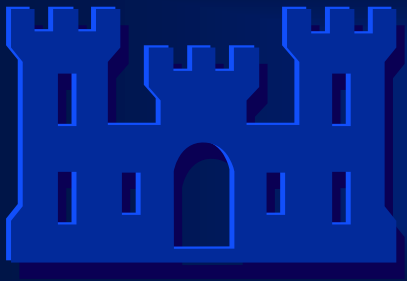
**Purpose: set study direction,
funds and schedule**

**Members: City of Crossville, Cumberland
County, 4 Utility Districts, TDEC,
USFWS, TWRA, Nature Conservancy,
TN Citizens for Wilderness Planning,
Corps**



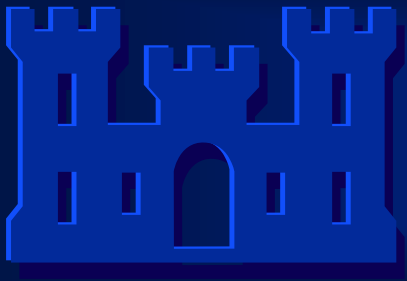
Progress to date

- 2. Defined “region” as Cumberland County and any outside now receiving water from Cumberland County**
- 3. Performed Phase 1 of Detailed Needs Assessment (DNA) – gathered historic water supply data (5.0 MGD pumped in 2005)**
- 4. Initiated EIS**



Current Work

- 1. Performing Phase 2 of DNA –**
 - a. prepare 3 growth scenarios;**
 - b. estimate water demand in
10-year increments for 50 years;**
 - c. prepare Water Conservation Plan**
- 2. This Public Meeting to solicit input**
- 3. Public input period**



Future Activities and Tentative Schedule

Assume fully funded:

Consider all comments – Dec 06

Determine “design” demand – Feb 07

Identify and screen alternatives – May 07

Collect data for alternatives – late 07

Evaluate alternatives – early 08



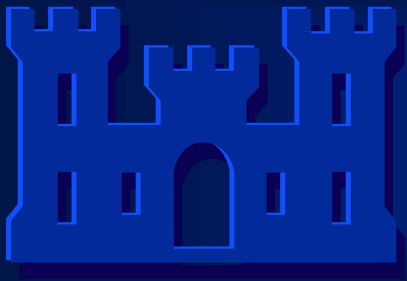
Future Activities / Schedule

Draft EIS – Spring 08

Final EIS – Summer 08

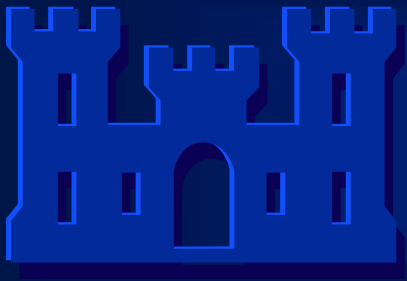
Record of Decision – late 08

Design, Plans / Specs, Construct



Funding Issue

Identifying non-Fed sponsor difficult,
took a long time;
surplus Fed funds reprogrammed
nationwide to cover critical shortfalls,
with intent of reprogramming back
when the funds were needed.
\$800K taken from this study.



Funding Issue

Without funds, work will stop early 2007.

Asking for the funds; reprogramming restrictions.

Corps / Congress identifying projects with most critical needs.

**Not likely to receive the \$800K soon;
probably need another fed funding source.**



Website and Contact info

- Project Website – project info and updates,
reports for public review

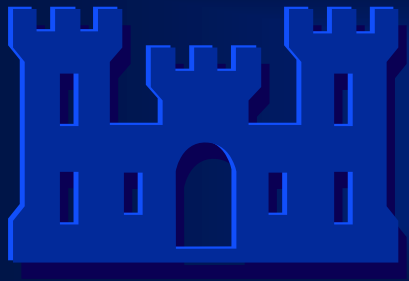
Website address:

[http://www.lrn.usace.army.mil/pao/issues/
CumberlandCounty/](http://www.lrn.usace.army.mil/pao/issues/CumberlandCounty/)

Email address:

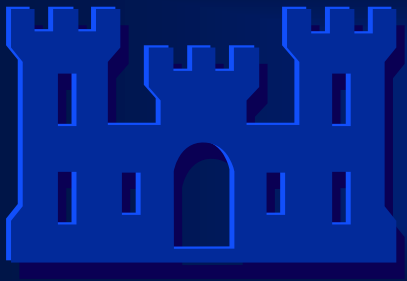
Cumberland.County@lrn02.usace.army.mil

- Bookmark with contact info, incl. mailing address



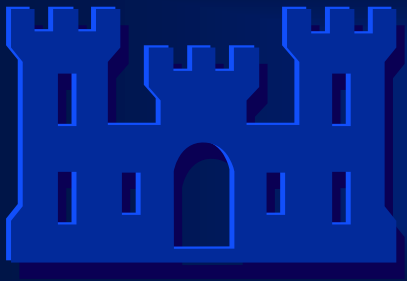
National Environmental Policy Act (NEPA)

- Federal projects require coverage under NEPA;
- Document basis for decision & compliance with pertinent laws;
- Intent of NEPA - open discussion of project effects & allow review prior to decision;
- Environmental Impact Statement (EIS).



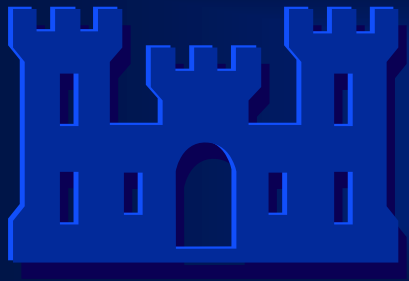
Why an EIS?

- Complexity of growth issue >> Future water needs;
- High quality streams;
- Regional approach;
- Water source (Watts Bar Lake).



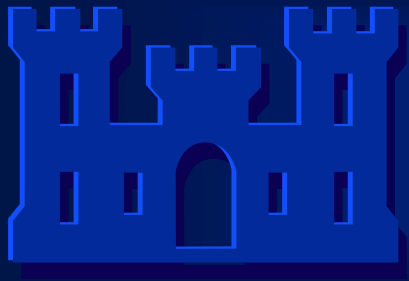
EIS

- Includes project need and alternative analysis;
- Consider all reasonable alternatives;
- Screening of alternatives;
- Detailed evaluation of remaining alternatives (site specific surveys).



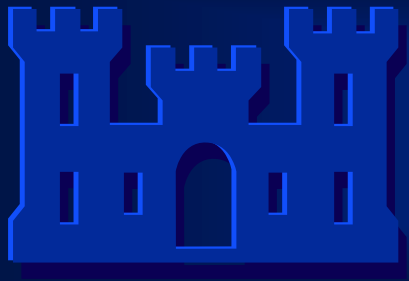
Scope of Impacts Considered

- Direct impacts;
- Indirect impacts;
- Cumulative effects - other actions affecting same resource; Determine “Reasonably-foreseeable future conditions”.



Key Compliance Issues

- **CWA 404(b)(1) fill evaluation - select least damaging alternative, all things equal;**
- **Avoid, minimize & mitigate impacts.**



Opportunities for Public Input

- **Scoping Period- hear public & agency concerns/issues (until 10-23-06)**
- **Needs Assessment Report**
- **Draft EIS (45-day review period)**
- **Final EIS (30-day review period)**